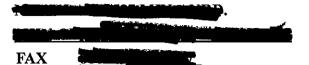
MATERIAL SAFETY DATA SHEET

COMPANY

ADDRESS





TEL ____

I. MATERIAL IDENTIFICATION

MANUFACTURER:	MATERIAL USAGE:SOLDERING	
	TRADE NAME:15/85 Sn/Pb SOLDERING	
	WIRE	
	CHEMICAL NAME:TIN/LEAD ALLOY	
EMERGENCY:	WELLEY ALLOY CODE#: 15%	
886-2-22040646		
CHEMICAL FAMILY: Matel Alloy	FORMULA: Sn/Pb15/85	
MOLECULAR WEIGHT:N/A	ISSUED DATE: 20/08/2010	
	REVISED DATE: 20/08/2010	

II. HAZARDOUS INGREDIENTS AND EXPOSURE

Material or	CAS	%	EXP	OSURE LIMI	IS
Component:	Number	Weight	Dust Fume (mg/m³)	PEL(OSHA) 8-hr TWA (mg/m³)	ACGIH STEL (mg/m³)
Tin	7440-31-5	15	N/A	2	4
Lead	7439-92-1	85	N/A	0.15	N/A
Core		1.6	N/A	N/A	N/A

III. PHYSICAL DATA

PHYSICAL STATE	APPERANCE AND	OTHERS: N/A
(at normal cond.)	ODER: Silver-grey metal,	
	odorless, various shapes and	
Gas X Liquid X Solid V	sizes.	
VAPOR DENSITY (Air=1):	SOLUBILITYIN WATER	PH: N/A
N/A	(%by weight): N/A	
VAPOR PRESSURE	%VOLATILE BY	DENSITY: N/A
(mmHg) at 20°C: N/A	VOLUME (at 20°C): N/A	
SPECIFIC GRAVITY	MELTING POINT (℃)	BOILING POINT (℃): N/A
$(H_2O=1): (metal) 10.4$	258-290℃	

IV. FIRE AND EXPLOSION DATA

INFLAMMABILITY:	If so, in which conditions:	Flassh Point (°C):	
Yes X No V	N/A	Open: N/A	Close: N/A
FIREFIGHTING PROCEDURES: Use NIOSH/MSHA self-contained breathing apparatus			
and full protective clothing if involved in fire.			
EXTINGUISHING AGENTS: Use dar chemical, carbon dioxide, water spray or foam.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A			

V. REACTIVITY DATA

STABITITY:	If no, in which conditions?	
Yse V No X		
INCOMPATIBILITY:	If no ,in which ones? (Material to avoid)	
Yse V No X	Contact with oxidizers acids or hydrogen peroxide	
	may cause a reaction.	
HAZARDOUS DECOMPOSITION PRODUCTS: Under reducing conditions or in the		
Presence of nascent hydrogen, highly toxic stibine gas may be evolved. Over melting point		
Fumes may be evolved.		
HAZARDOUS POLYMRIZATION:	If so, in which conditions?	
May occur? Yes X No V	N/A	

VI. FIRST AID PROCEDURES

INHALATION: Remove from exposure; place individual under care of physician.

SKIN/EYE: No visual appearance-wash skin carefully with soap and water. May cause irritaitaon-rinse thoroughly with water. If irritation persists, seek medical attention.

INGESTION: Induce vomiting in conscious individual and call a physician. Give two to three glasses of water.

VII. PHYSIOLOGICAL EFFECTS

ROUTES OF EXPOSURE :
Inhalation:
Short Term V Long Term V Skin: Contact Absorption Eye V Ingestion V
INHALATION: Inhalation of fume generated from this product may cause irritation to the
respiratory system,Inhalation and/or ingestion of fume may cause headache,nausea muscular
pain and possible liver damage. Workers should be aware of potential generation of stibine
gas if in contact with acid.
SKIN/EYE: Possible mechanical irritation of skin.
INGESTION: Prolonged skin contact with fume or dust may cause skin dermatitis. Over
exposure by inhalation and / or ingestion may cause fatigue, anemia, possible central nervous
system damage, nasal inflammation and possible kidney disfunction.
POSSIBLE EFFECTS:
Carcinogenic Reproduction Terayogenic Mutagenic

VIII. PRECAUTIONS

PROTECTIVE CLOTHING AND EQUIPMENT
RESPIRATORY PROTECTION: NIOSH/MSHA respirator for toxic dust, if over limit.
EYES AND FACE: Safety glasses for operation generating flying particles.
HANDS,ARM & BODY: Gloves and goggles
OTHER EQUIPMENT: Approved mask
ENGINEERING CONTROLS (e.g.: ventilation, closed process): Local exhaust
ventilation is required for melting, grinding, screening, soldering or other operations
where
excessive exposure may occur.
SPILLAND PROCEDURES: A clean-up procedure which minimizes exposure is required

vacuuming is preferred. Place all material in closed containers. Do not use compress air for cleaning. Use approved respiratory protection if possibility of dust/fume exposure exists.

HANDLING AND STORING: Use of approved respirators for application where adequate ventilation cannot be provided.

IX. DISPOSAL AND ENVIRONMENTL

HAZARDOUS:	If so, reportable quantity: N/A	
Yes 🗌 No V		
WASTE DISPOSAL METHODS: Material should be returned to process or salvage.		
Dispose of only if in accordance with applicable regulations.		
RCRA STATUS OF UNUSED MATERIAL: N/A		

X. REFERENCE

PERMISSIBLE CONCENTRATION, HAZARD INFORMATION, GENERAL, ETC. :

OSHA regulation 29 CFR 1910.1000 and 1910.1025 documentation of the threshold limit value 4th edition NFDA fire protection guide on hszardous material registry of toxic effects on chemical substances (NIOSH) 1980.

Regulation respection the quality of the work environment

XI. ADDITIONAL INFORMATION

Avoid eating smoking, or drinking in work areas. Good personal hygiene is essential.

THIS MATERIAL SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION.

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